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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/667,237B

DATE: 02/12/2003
 TIME: 10:42:45

Input Set : A:\422051.app
 Output Set: N:\CRF4\02112003\I667237B.raw

3 <110> APPLICANT: Reinal, Stephen
 4 Lindbo, John
 5 Turpen, Thomas
 7 <120> TITLE OF INVENTION: CREATION OF VARIABLE LENGTH AND SEQUENCE LINKER REGIONS
 8 FOR DUAL-DOMAIN OR MULTI-DOMAIN MOLECULES
 10 <130> FILE REFERENCE: 42205
 12 <140> CURRENT APPLICATION NUMBER: 09/667,237B
 13 <141> CURRENT FILING DATE: 2000-09-22
 15 <150> PRIOR APPLICATION NUMBER: US 60/155,978
 16 <151> PRIOR FILING DATE: 1999-09-24
 18 <160> NUMBER OF SEQ ID NOS: 51
 20 <170> SOFTWARE: PatentIn Ver. 2.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 9
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Artificial Sequence
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: Description of Artificial Sequence: Glycine rich
 linker
 31 <400> SEQUENCE: 1
 32 Pro Gly Ile Ser Gly Gly Gly Gly
 33 1 5
 36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 16
 38 <212> TYPE: PRT
 39 <213> ORGANISM: Artificial Sequence
 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: Description of Artificial Sequence: Asparagine
 43 rich linker
 45 <400> SEQUENCE: 2
 46 Asn Asn Asn Asn Asn Asn Asn Asn Asn Leu Gly Ile Glu Gly Arg
 47 1 5 10 15
 50 <210> SEQ ID NO: 3
 51 <211> LENGTH: 15
 52 <212> TYPE: PRT
 53 <213> ORGANISM: Artificial Sequence
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: Description of Artificial Sequence: (Gly4-Ser)3
 58 <400> SEQUENCE: 3
 59 Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
 60 1 5 10 15
 63 <210> SEQ ID NO: 4
 64 <211> LENGTH: 30

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65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Description of Artificial Sequence: VH domain
70 forward primer
72 <400> SEQUENCE: 4
73 gtggcatgca ggttcaactg gtggagtcg 30
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 26
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: VH domain
83 reverse primer
85 <220> FEATURE:
86 <223> OTHER INFORMATION: "asy" can appear from 1 to 50 times before the
87 remainder of the sequence
89 <400> SEQUENCE: 5
90 asytgaggag acgtgaccca gggttc 26
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 41
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence: VH domain
100 reverse primer, first reaction
102 <400> SEQUENCE: 6
103 asyasyasya syasyasytg aggagacggt gaccagggtt c 41
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 50
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: VH domain
113 reverse primer, second reaction
115 <400> SEQUENCE: 7
116 asyasyasya syasyasyas yasyasytga ggagacggtg accagggttc 50
119 <210> SEQ ID NO: 8
120 <211> LENGTH: 29
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of Artificial Sequence: VL domain
126 forward primer
128 <220> FEATURE:
129 <223> OTHER INFORMATION: "rst" can appear from 1 to 50 times before the
130 remainder of the sequence
132 <400> SEQUENCE: 8
133 rstgacattc agatgaccca gtctccttc 29

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136 <210> SEQ ID NO: 9
137 <211> LENGTH: 39
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Description of Artificial Sequence: VL domain
143 reverse primer
145 <400> SEQUENCE: 9
146 cacccttaggc tatcggttga tcagtagcatt ggtccccctg 39
149 <210> SEQ ID NO: 10
150 <211> LENGTH: 44
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: VL domain
156 forward primer, third reaction.
158 <400> SEQUENCE: 10
159 rstrstrstr strstrrstga cattcagatg acccagtctc cttc 44
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 53
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence: VL domain
169 forward primer, fourth reaction
171 <400> SEQUENCE: 11
172 rstrstrstr strstrstrs trstrstgac attcagatga cccagttcc ttc 53
175 <210> SEQ ID NO: 12
176 <211> LENGTH: 39
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
182 nucleotide sequence
184 <400> SEQUENCE: 12
185 actactgcta ctgggtctag tactactgct ggtgtctgt 39
188 <210> SEQ ID NO: 13
189 <211> LENGTH: 13
190 <212> TYPE: PRT
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
195 amino acid sequence
197 <400> SEQUENCE: 13
198 Thr Thr Ala Thr Gly Ala Ser Thr Thr Ala Gly Ala Ser
199 1 5 10
202 <210> SEQ ID NO: 14
203 <211> LENGTH: 39
204 <212> TYPE: DNA

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205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
209 nucleotide sequence
211 <400> SEQUENCE: 14
212 gctactgctg ctagtgggtgc tgctgctggc ggtggta 39
215 <210> SEQ ID NO: 15
216 <211> LENGTH: 13
217 <212> TYPE: PRT
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
222 amino acid sequence
224 <400> SEQUENCE: 15
225 Ala Thr Ala Ala Ser Gly Ala Ala Ala Gly Gly Gly Thr
226 1 5 10
229 <210> SEQ ID NO: 16
230 <211> LENGTH: 39
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
236 nucleotide sequence
238 <400> SEQUENCE: 16
239 gctactgggtc ctagtactag tgctactgct ggtggtagt 39
242 <210> SEQ ID NO: 17
243 <211> LENGTH: 13
244 <212> TYPE: PRT
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
249 amino acid sequence
251 <400> SEQUENCE: 17
252 Ala Thr Gly Ala Ser Thr Ser Ala Thr Ala Gly Gly Ser
253 1 5 10
256 <210> SEQ ID NO: 18
257 <211> LENGTH: 39
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
263 nucleotide sequence
265 <400> SEQUENCE: 18
266 agtactgctg ctgggtactag tagtggtagt agtactgg 39
269 <210> SEQ ID NO: 19
270 <211> LENGTH: 13
271 <212> TYPE: PRT
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:

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275 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
276 amino acid sequence
278 <400> SEQUENCE: 19
279 Ser Thr Ala Ala Gly Thr Ser Ser Gly Ser Ser Thr Gly
280 1 5 10
283 <210> SEQ ID NO: 20
284 <211> LENGTH: 51
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
290 nucleotide sequence
292 <400> SEQUENCE: 20
293 gctagtactg ctactagtag tggtggtgg tggactggta gtatgtgc t 51
296 <210> SEQ ID NO: 21
297 <211> LENGTH: 17
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
303 amino acid sequence
305 <400> SEQUENCE: 21
306 Ala Ser Thr Ala Thr Ser Ser Gly Gly Gly Thr Gly Ser Ser Ala Ala
307 1 5 10 15
309 Ala
313 <210> SEQ ID NO: 22
314 <211> LENGTH: 60
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
320 nucleotide sequence
322 <400> SEQUENCE: 22
323 gctactagta ctgctgtgc tggtgctact agtgctactg gtggtgctag tggactgg 60
326 <210> SEQ ID NO: 23
327 <211> LENGTH: 20
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
333 amino acid sequence
335 <400> SEQUENCE: 23
336 Ala Thr Ser Thr Ala Ala Gly Ala Thr Ser Ala Thr Gly Gly Ala
337 1 5 10 15
339 Ser Gly Thr Gly
340 20
343 <210> SEQ ID NO: 24
344 <211> LENGTH: 39
345 <212> TYPE: DNA

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/667,237B

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